

**Figure 1**

**(A) Seq ID No. 1: DNA Sequence Encoding HSA-hIL-11**

ATGAAGTGGGTAACCTTTATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTGCG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTGGGAGAAGAAAATTTCAAAGCCTTGGTGT  
TGATTGCCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTGACAAATCACTTCATACCCTTTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACTGCTTTTCATGACAATGAAGAGACATTTTGA AAAAATACTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCCGGAACCTCTTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTA  
CAGAAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCCTGTTGCCAAGCTCGATGAACCTTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAATTTGGAGAAAAGAGCTTTCAAAGC  
ATGGGCAGTAGCTCGCCTGAGCCAGAGATTTCCCAAAGCTGAGTTTGCAAGATTTC AAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTGATCTCCAGTAACTGAAGGAATGCTGTGAAAAACCTCTGTT  
GGAAAAATCCCACTGCATTGCCGAAGTGAAAATGATGAGATGCCTGCTGACTTGCTTCATTAGCTGCTG  
ATTTTGTGAAAAGTAAGGATGTTTGCAAAAACCTATGCTGAGGCAAAGGATGTCTTCTGGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGTCGTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTCGATGAATTTAAAC  
CTCTTGTTGAAGAGCCTCAGAATTTAATCAAACAAAATTTGTGAGCTTTTGTAGCAGCTTGGAGAGTACAAA  
TTCCAGAAATGCGCTATTAGTTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTCTTGTAAGGT  
CTCAAGAAACCTAGGAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGCAG  
AAGACTATCTATCCGTGGTCTGTAACCAAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTC  
ACCAAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAACATA  
CGTTCCCAAAGAGTTTAATGCTGAAACATTACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGA  
GACAAATCAAGAAACAACTGCACTTGTTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGAGCTTTTGTAGAGAAGTGTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAACTTGTTGCTGCAAGTCAAGTGCCTTAGGCTTAGCTCCCATGACCCAGACAA  
CGTCTTGAAGACAAGCTGGGTTAAGTCTTAACATGATCGATGAAATATAACACACTTAAAGCAGCCCA  
CCTTTGCCTTTGCTGGACTTCAACAACCTCAATGGGGAAGACCAAGACATTCTGATGGAAAAATAACCTTCG  
AAGGCCAAACCTGGAGGCATTCAACAGGGCTGTCAAGAGTTTACAGAACGCATCAGCAATTGAGAGCATT  
TTAAAAATCTCTGCCATGTCTGCCCCTGGCCACGGCCGACCCACGCGACATCCAATCCATATCAAGGAC  
GGTGACTGGAATGAATTCGGAGGAACTGACGTTCTATCTGAAAACCCCTTGAGAATGCGCAGGCTCAACA  
GACGACTTTGAGCCTCGCGATCTTTTAG

**(B) Seq ID No. 2. Amino Acid Sequence of HSA-hIL-11 Fusion Protein**

DAHKSEVAHRFKDLGEENFKALVLI AFAQYLQCPFEDHVKL VNEVTEFAKTCVADESAENC DKS LHTLFG  
DKLCTVATLRETYGEMADCCAKQEPERNECF LQHKDDNP NLPRLVRPEVDVMCTAFHDNEETFLKKYLYEI  
ARRHPYFYAPELLFFAKRYKAAFT ECCQAADKAACLLPKLDEL RDEGKASSAKQRLK CASLQKFGERAFKA  
WAVARLSQRFPAEFAEVSKLVTDLT KVHTECCHGDLLECADD RADLAKYICENQDSISSKLKECCEKPLL  
EKSHCIAEVENDEMPADLP SLAADFVESKDVKNYAEAKDVF LGMFLY EYARRHPDYSV VLLLLRLAKTYET  
TLEKCCAAADPHECYAKVFDEFKPLVEEPQNL IKQNC ELFQ LGEYKFQ NALLVRYTKKVPQVSTPTLVEV  
SRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCTESLVNRRPCFSALEVDETY  
VPKEFNAETFTFHADICTLSEKERQIKKQ TALVELVKHKPKATKEQLKAVMDDFAAFVEKCKADDKETCF  
AEEGKKLVAASQAALGLPGPPPGPPRVSPD PRAELDSTVLLTRSL LADTRQLAAQLRDKFPADGDHNLDSL  
PTLAMSAGALGALQLPGVLTRLRADLLSYLRHVQWLR RAGGSSLK TLEPELGT LQARLDRLLRLQLLMSR  
LALPQPPDP PAPPPLAPPSSAWGGIRAHA ILGGLHLTLDWAVRGLLLLKTRL

**Figure 1-continued**

**(C) Seq ID No. 3. DNA Sequence Encoding HSA-hIL-3**

ATGAAGTGGGTAACCTTTATTTCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTGCG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAAATTTCAAAGCCTTGGTGT  
TGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAAATTGTGACAAATCACTTCATACCCTTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACCTGCTTTTCATGACAAATGAAGAGACATTTTGAAAAAATACTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCGGAACTCCTTTTCTTTGCTAAAAAGGTATAAAGCTGCTTTTA  
CAGAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCTGTTGCCAAAGCTCGATGAACTTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAAATTTGGAGAAAAGAGCTTTCAAAGC  
ATGGGCAGTAGCTCGCCTGAGCCAGAGATTTCCCAAAGCTGAGTTTGCAGAAGTTTCCAAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTCGATCTCCAGTAAACTGAAGGAATGCTGTGAAAAACCTCTGTT  
GGAAAAATCCCAGTGCATTGCCGAAGTGGAAAATGATGAGATGCCTGCTGACTGCCTTCATTAGCTGCTG  
ATTTTGTTGAAAGTAAGGATGTTTGCAAAAACCTATGCTGAGGCAAAGGATGTCTTCCTGGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGCTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGCTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTTCGATGAATTTAAAC  
CTCTTGTTGGAAGAGCCTCAGAA'TTAATCAAACAAAATTTGTGAGCTTTTTTGAGCAGCTTGGAGAGTACAAA  
TTCCAGAATGCGCTATTAGTTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTCTGTAGAGGT  
CTCAAGAAACCTAGGAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGCAG  
AAGACTATCTATCCGTGGTCTGAACAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTC  
ACCAATGCTGCACAGAAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAACATA  
CGTTCCCAAAGAGTTTAATGCTGAAACATTACCTTCCATGCAGATATATGCACACTTCTGAGAAGGAGA  
GACAAATCAAGAAACAAACTGCAC'TTGTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGCAGCTTTTGTAGAGAAGTGCTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAACTTGTGCTGCAAGTCAAGCTGCCTTAGGCTTAGCTCCCATGACCCAGACAA  
CGTCTTTGAAGACAAGCTGGGTAACTGCTCTAACATGATCGATGAAATTATAACACACTTAAAGCAGCCA  
CCTTTGCTTTGCTGGACTTCAACAACCTCAATGGGGAAGACCAAGACATTCTGATGGAAAATAACCTTCG  
AAGGCCAAACCTGGAGGCATTCAACAGGGCTGTCAAGAGTTTACAGAACGCATCAGCAATTGAGAGCATTC  
TTAAAAATCTCCTGCCATGTCTGCCCCTGGCCACGGCCGACCCACGCGACATCCAATCCATATCAAGGAC  
GGTGACTGGAATGAATTCCGGAGGAACTGACGTTCTATCTGAAAACCTTGAGAATGCGCAGGCTCAACA  
GACGACTTTGAGCCTCGCGATCTTTTAG

**(D) Seq ID No. 4. Amino Acid Sequence of HSA-hIL-3 Fusion Protein**

DAHKSEVAHRFKDLGEENFKALVLI AFAQYLQQCPFEDHVKL VNEVTEFAKTCVADESAENCDKSLHTLFG  
DKLCTVATLRETYGEMADCCAKQEPERNECF LQHKDDNP NLPRLVRPEVDVMCTAFHDNEETFLKKYLYEI  
ARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDEL RDEGKASSAKQRLKCASLQKFGERA FKA  
WAVARLSQRFPKAEFAEVSKLVTDLT KVHTECCHGDLLECADDRADLAKY ICENQDS ISSKLKECCEKPLL  
EKSHCIAEVENDEMPADLP SLAADFVESKDVCKNYAEAKDVFLGMFLY EYARRHPDYSVVLLRLAKTYET  
TLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNC ELFQ LGEYKFQ NALLVRYTKKVPEVSTPTLVEV  
SRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCTESLVNRRPCFSALEVD ETY  
VPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQLKAVMDDFAAFVEKCKKADDKETCF  
AEEGKKLV AASQAALGLAPMTQT'TSLKTSWVNC SNMIDEI ITHLKQ PPLPLLD FNNLNGEDQDILMENNLR  
RPNLEAFNR AVKSLQNASAI ESILKNLLPCLPLATAAPTRHP IHIKDGWNEFRRLKTFY LKTL ENAAQAOQ  
TTLSLAIF

**Figure 1-continued**

**(E) Seq ID No. 5. DNA Sequence Encoding HSA-hEPO**

ATGAAGTGGGTAACCTTTATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTGCG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAATTTCAAAGCCTTGGTGT  
TGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCATTTGAAGATCATGTAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTGACAAATCACTTCATACCCTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACTGCTTTTCATGACAAATGAAGAGACATTTTGA AAAAATACTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCCGGAACCTTTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTA  
CAGAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCTGTTGCCAAGCTCGATGAACCTTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAAATTTGGAGAAAGAGCTTTCAAAGC  
ATGGGCAGTAGCTCGCCTGAGCCAGAGATTTCCCAAAGCTGAGTTTGCAGAAGTTTCCAAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTGATCTCCAGTAACTGAAGGAATGCTGTGAAAAACCTCTGTT  
GGAAAAATCCCAGTGCATTGCCGAAGTGGAAAATGATGAGATGCCTGCTGACTTGCCTTCATTAGCTGCTG  
ATTTTGTGTAAGTAAGGATGTTTGCAAAACTATGCTGAGGCAAAGGATGTCTTCTGGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGTCTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGCTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTGATGAATTTAAAC  
CTCTTGTGGAAGAGCCTCAGAATTTAATCAAACAAAATTTGTGAGCTTTTTGAGCAGCTTGGAGAGTACAAA  
TTCCAGAATGCGCTATTAGTTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTCTTGTAGAGGT  
CTCAAGAAACCTAGGAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGCAG  
AAGACTATCTATCCGTGGTCTCTGAACCAAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTC  
ACCAAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAACATA  
CGTTCCCAAAGAGTTTAAATGCTGAAACATTACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGA  
GACAAATCAAGAAACAACTGCACCTTGTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGCAGCTTTTGTAGAGAAGTGCTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAATTGTTGCTGCAAGTCAAGCTGCCTTAGGCTTAATCTGTGACAGCCGAGTCC  
TGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAGAATATCACGACGGGCTGTGCTGAACACTGCAGCTTG  
AATGAGAATATCACTGTCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAGGATGGAGGTGCGGCAGCA  
GGCCGTAGAAGTCTGGCAGGGCCTGGCCCTGCTGTGCGAAGCTGTCTGCGGGGCCAGGCCCTGTTGGTCA  
ACTCTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTGAGTGGCCTTCGCAGCCTCACC  
ACTCTGCTTCGGGCTCTGCGAGCCCAGAAGGAAGCCATCTCCCCTCCAGATGCGGCCTCAGCTGCTCCACT  
CCGAACAATCACTGCTGACACTTTCCGCAAACCTCTCCGAGTCTACTCCAATTTCTCCGGGGAAAGCTGA  
AGCTGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA

**(F) Seq ID No. 6. Amino Acid Sequence of Human HSA-hEPO Fusion Protein**

DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLNVNEVTEFAKTCVADESAENCDKSLHTLFG  
DKLCTVATLRETYGEMADCCAKQEPERNECFQHKDDPNLPRLVREVDVMCTAFHDNEETFLLKLYLYEI  
ARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELDEGKASSAKQRLKCASLQKGERAFKA  
WAVARLSQRFPAEFAEVSKLVTDLTQVHTECCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLL  
EKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYFYARRHPDYSVLLLLRLAKTYET  
TLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCLEFQLEGEYKFQNALLVRYTKKVPEVSTPTLVEV  
SRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCTESLVNRRPCFSALEVDETY  
VPKEFNAETFTFHADICTLSEKERQIKKQ TALVELVKHKPKATKEQLKAVMDDFAAFVEKCKKADDETCF  
AEEGKKLVAAASQAALGLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQ  
AVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDAVSGLRSLTTLRLALRAQKEAISPDAASAAPL  
RTITADTFRKLFVYSNFLRGKLLKLYTGEACRTGDR

**Figure 1-continued**

**(G) Seq ID No. 7. DNA Sequence Encoding HSA-hGCSF**

ATGAAGTGGGTAACCTTTATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTCCG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTGGGAGAAGAAAATTTCAAAGCCTTGGTGT  
TGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTGACAAATCACTTCATACCCTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACTGCTTTTCATGACAATGAAGAGACATTTTGAAGAAATACCTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCCGGAACCTTTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTA  
CAGAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCTGTTGCCAAGCTCGATGAACCTTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAATTTGGAGAAAGAGCTTCAAAGC  
ATGGGCAGTAGCTCGCCTGAGCCAGAGATTTCCCAAAGCTGAGTTGCAGAAGTTTCCAAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTGCATCTCCAGTAACTGAAGGAATGCTGTGAAAAACCTCTGTT  
GGAAAAATCCCCTGCAATTGCCGAAGTGGAAAATGATGAGATGCCTGCTGACTTGCCTTCATTAGCTGCTG  
ATTTTGTGTAAGTAAGGATGTTTGCAAAACTATGCTGAGGCAAAGGATGTCTTCCTGGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGTCTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGCTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAGTGTTTCGATGAATTTAAAC  
CTCTTGTTGGAAGAGCCTCAGAATTTAATCAAAACAAATTTGTGAGCTTTTGGAGCAGCTTGGAGAGTACAAA  
TTCCAGAATGCGCTATTAGTTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTCTTGTAAGGT  
CTCAAGAAACCTAGGAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGCAG  
AAGACTATCTATCCGTGGTCTGAACCAAGTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTC  
ACCAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATCTTTTTCAGCTCTGGAAGTCGATGAAACATA  
CGTTCCCAAAGAGTTTAATGCTGAAACATTACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGA  
GACAAATCAAGAAACAACTGCACCTGTTTGTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGAGCTTTTGTAGAGAAGTGCTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAATTTGTTGCTGCAAGTCAAGCTGCCTTAGGCTTAACCCCCCTGGGCCCCTGCCA  
GCTCCCTGCCCCAGAGCTTCTGCTCAAGTGCTTAGAGCAAGTGAGGAAGATCCAGGGCGATGGCGCAGCG  
CTCCAGGAGAAGCTGTGTGCCACCTACAAGCTGTGCCACCCGAGGAGCTGGTGTGCTCGGACACTCTCT  
GGGCATCCCCTGGGCTCCCCTGAGCAGCTGCCCCAGCCAGGCCCTGCAGCTGGCAGGCTGCTTGAGCCAAC  
TCCATAGCGGCCTTTTCTCTACCCAGGGGCTCCTGCAGGCCCTGGAAGGGATCTCCCCCGAGTTGGGTCCC  
ACCTTGGACACACTGCAGCTGGACGTCGCCGACTTTGCCACCACCATCTGGCAGCAGATGGAAGAACTGGG  
AATGGCCCCCTGCCCTGCAGCCACCCAGGGTGCCATGCCGGCCTTCGCCTCTGCTTTCAGCGCGCGGGCAG  
GAGGGGTCTAGTTGCCTCCCATCTGCAGAGCTTCTGGAGGTGTCGTACCGCGTTCTACGCCACCTTGCC  
CAGCCCTGA

**(H) Seq ID No. 8. Amino Acid Sequence of HSA-hGCSF Fusion Protein**

DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLNVNEVTEFAKTCVADESAENCDSLHTLFG  
DKLCTVATLRETYGEMADCCAKQEPERNECFLOHKDDNPNLPRLVPRPEVDVMCTAFHDNEETFLKKYLYEI  
ARRHPYFYAPELLFFAKRYKAAFTCECQAADKAACLLPKLDELDRDEGKASSAQRLKCASLQKFGERAFFKA  
WAVARLSQRFPAEFAEVS KLVTDLTKVHTECCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLL  
EKSHCIAEVNDEMPPADLP SLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHPDYSVVLRLRLAKTYET  
TLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCLEFELGEYKFQNALLVRYTKKVPEVSTPTLVEV  
SRNLGKVGSKCKKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFSALEVDETY  
VPKEFNAETFTFHADICTLSEKERQIKKQ TALVELVKHKPKATKEQLKAVMDDFAAFVEKCKADDKETCF  
AEEGKKLVAAASQAALGLTPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKL CATYKLC HPEELVLLGHSL  
GIPWAPLSSCPSQALQLAGCLS QLHSGFLYQGLLQALEGISPELGPTLDTLQLDVADFATTIWQQMEELG  
MAPALQPTQGAMPAFASAFQRRAGGVLVASHLQSFLEVS YRVLRLH LAQP

Figure 1-continued

(I) Seq ID No. 9. DNA Sequence Encoding HSA-hGMCSF

ATGAAGTGGGTAACCTTTATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTCTG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAATTTCAAAGCCTTGGTGT  
TGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCATTTGAAGATCATGTAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTTGTGACAAATCACTTCATACCCTTTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACTGCTTTTCATGACAATGAAGAGACATTTTGGAAAAATACTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCGGAACCTCTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTA  
CAGAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCTGTTGCCAAAGCTCGATGAACTTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAAATTTGGAGAAAGAGCTTTCAAAGC  
ATGGGCAGTAGCTCGCTGAGCCAGAGATTTCCCAAAGCTGAGTTTGACAGAAGTTTCCAAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTCGATCTCCAGTAAACTGAAGGAATGCTGTGAAAAACCTCTGTT  
GGAAAAATCCCACTGCATTGCCGAAGTGGAAAATGATGAGATGCCTGCTGACTTGCCCTCATTAGCTGCTG  
ATTTTGTGAAAGTAAGGATGTTTGCAAAACTATGCTGAGGCAAAGGATGTCTTCCTGGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGCTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGCTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTTCGATGAATTTAAAC  
CTCTTGTTGGAAGAGCCTCAGAATTTAATCAAACAAAATTTGTGAGCTTTTGTGAGCAGCTTGAGAGGTACAAA  
TTCCAGAATGCGCTATTAGTTCGTTACACCAAGAAAGTACCCCAAGTGCTCAACTCCAACCTCTGTAGAGGT  
CTCAAGAAACCTAGGAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGTCAG  
AAGACTATCTATCCGTGGTCTCTGAACAGTTATGTGTGTTGCATGAGAAAAACGCCAGTAAGTGACAGAGTC  
ACCAAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAAGTCGATGAAACATA  
CGTTCCCAAAGAGTTTAATGCTGAAACATTCACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGA  
GACAAATCAAGAAACAACTGCATTGTTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGACGCTTTTGTAGAGAAGTGCTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAACTTGTGCTGCAAGTCAAGCTGCCTTAGGCTTAGCACCCGCCCGCTCGCCCA  
GCCCCAGCAGCAGCCCTGGGAGCATGTGAATGCCATCCAGGAGGCCCGCGCTCTCCTGAACCTGAGTAGA  
GACACTGCTGCTGAGATGAATGAAACAGTAGAAGTCACTCAGAAAATGTTTGACCTCCAGGAGCCGACCTG  
CCTACAGACCCGCTGGAGCTGTACAAGCAGGGCCTGCGGGCAGCCTCACCAAGCTCAAGGGCCCCCTTGA  
CCATGATGGCCAGCCACTACAAGCAGCACTGCCCTCCAACCCCGGAAACTTCCTGTGCAACCCAGATTATC  
ACCTTTGAAAGTTTCAAAGAGAACCTGAAGGACTTTCTGCTTGTTCATCCCCTTTGACTGCTGGGAGCCAGT  
CCAGGAGTGA

(J) Seq ID No. 10. Amino Acid Sequence of Human HSA-hGMCSF Fusion Protein

DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHTLFG  
DKLCTVATLRETYGEMADCCAKQEPPERNECFLQHKDDNPPLPRLVRPEVDVMCTAFHDNEETFLKKYLYEI  
ARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRLDEGKASSAKQRLKASLQKFGERAFKA  
WAVARLSQRFPAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYICENQDSISSKLKECCEKPLL  
EKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHPDYSVVLRLAKTYET  
TLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCLEFQELGEYKFQNALLVRYTKKVPEVSTPTLVEV  
SRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFSALEVDETY  
VPKEFNAETFTFHADICTLSEKERQIKKQ TALVELVKHKPKATKEQLKAVMDDFAAFVEKCKADDKETCF  
AEEGKKLVAASQAALGLAPARSPSPSTQPEWHVNAIQEARLLNLSRDTAAEMNETVEVISEMFDLQEPCTC  
LQTRLELYKQGLRGLSLTKLKGPLTMMASHYKQHCPTPETSCATQIITFESFKENLKDFLLVIPFDCWEPV  
QE

**Figure 1-continued**

**(K) Seq ID No. 11. DNA Sequence Encoding Human Serum Albumin (HSA)**

ATGAAGTGGGTAACCTTTATTTCCCTTCTTTTTCTCTTTAGCTCGGCTTATTCCAGGGGTGTGTTTCGTCTG  
AGATGCACACAAGAGTGAGGTTGCTCATCGGTTTAAAGATTTGGGAGAAGAAAATTTCAAAGCCTTGGTGT  
TGATTGCCTTTGCTCAGTATCTTCAGCAGTGTCCATTTGAAGATCATGTAAAATTAGTGAATGAAGTAACT  
GAATTTGCAAAAACATGTGTTGCTGATGAGTCAGCTGAAAATTGTGACAAATCACTTCATACCCCTTTTTGG  
AGACAAATTATGCACAGTTGCAACTCTTCGTGAAACCTATGGTGAAATGGCTGACTGCTGTGCAAAACAAG  
AACCTGAGAGAAATGAATGCTTCTTGCAACACAAAGATGACAACCCAAACCTCCCCCGATTGGTGAGACCA  
GAGGTTGATGTGATGTGCACTGCTTTTCATGACAATGAAGAGACATTTTTGAAAAAATACTTATATGAAAT  
TGCCAGAAGACATCCTTACTTTTATGCCCCGGAACCTCTTTCTTTGCTAAAAGGTATAAAGCTGCTTTTA  
CAGAATGTTGCCAAGCTGCTGATAAAGCTGCCTGCCTGTTGCCAAGCTCGATGAACCTCGGGATGAAGGG  
AAGGCTTCGTCTGCCAAACAGAGACTCAAGTGTGCCAGTCTCCAAAATTTGGAGAAAGAGCTTTCAAAGC  
ATGGGCAGTAGCTCGCCTGAGCCAGAGATTTCCCAAAGCTGAGTTTGCAGAAGTTTCCAAGTTAGTGACAG  
ATCTTACCAAAGTCCACACGGAATGCTGCCATGGAGATCTGCTTGAATGTGCTGATGACAGGGCGGACCTT  
GCCAAGTATATCTGTGAAAATCAAGATTCCGATCTCCAGTAACTGAAGGAATGCTGTGAAAACCTCTGTT  
GGAAAAATCCCCTGCAATTGCCGAAGTGGAAAATGATGAGATGCCTGCTGACTTGCCTTCATTAGCTGCTG  
ATTTTGTGAAAGTAAGGATGTTTGCAAAAATGCTGAGGCAAAGGATGTCTTCTCGGCATGTTTTTG  
TATGAATATGCAAGAAGGCATCCTGATTACTCTGTCTGTGCTGCTGCTGAGACTTGCCAAGACATATGAAAC  
CACTCTAGAGAAGTGCTGTGCCGCTGCAGATCCTCATGAATGCTATGCCAAAGTGTTGATGAATTTAAAC  
CTCTTGTTGGAAGAGCCTCAGAATTTAATCAAAACAAAATTGTGAGCTTTTTGAGCAGCTTGGAGAGTACAAA  
TTCCAGAATGCGCTATTAGTTTCGTTACACCAAGAAAGTACCCCAAGTGTCAACTCCAACCTTGTGAGGT  
CTCAAGAAACCTAGGAAAAAGTGGGCAGCAAATGTTGTAAACATCCTGAAGCAAAAAGAATGCCCTGTGCAG  
AAGACTATCTATCCGTGGTCTCTGAACCAAGTTATGTGTGTTGCATGAGAAAACGCCAGTAAGTGACAGAGTC  
ACCAAATGCTGCACAGAATCCTTGGTGAACAGGCGACCATGCTTTTCAGCTCTGGAAGTCGATGAAACATA  
CGTTCCAAAGAGTTTAATGCTGAAACATTACCTTCCATGCAGATATATGCACACTTTCTGAGAAGGAGA  
GACAAATCAAGAAACAACTGCACCTGTTGAGCTTGTGAAACACAAGCCCAAGGCAACAAAAGAGCAACTG  
AAAGCTGTTATGGATGATTTTCGCAGCTTTTGTAGAGAAGTGCTGCAAGGCTGACGATAAGGAGACCTGCTT  
TGCCGAGGAGGGTAAAAAACTTGTGCTGCAAGTCAAGCTGCCTTAGGCTTATAA

**(L) Seq ID No. 12. Amino Acid Sequence of Human Serum Albumin (HSA)**

MKWVTFISLLFLFSSAYSRGVFRRDAHKSEVAHRFKDLGEENFKALVLI AFAQYLQQCPFEDHVKLVNEVT  
EFAKTCVADESAENCDSLHTLFGDKLCTVATLRETYGEMADCCAKQEPERNECF LQHKDDNP NLPRLVRP  
EVDVMCTAFHDNEETFLKKYLYE IARRHPYFYAPELLFFAKRYKA AFTECCQAADKAACLLPKLDEL RDEG  
KASSAKQRLK CASLQKFGERAFKAWAVARLSQRF PKAEFAEVSKLVTDLT KVHTECCHGDLLECADDRADL  
AKYICENQDSISSKLKECEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFL  
YEYARRHPDYSV VLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNC ELFELGEYK  
FQNALLVRYTKKVPEVSTPTLVEVSRNLGKVGSKCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRV  
TKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKQTALVELVKHKPKATKEQL  
KAVMDDFAAFVEKCKADDKETCFAEEGKKLVAASQAALGL

**Figure 1-continued**

(M) Seq ID No. 13. DNA Sequence Encoding Human Interleukin-11 (IL-11)

ATGAACTGTGTTTGCCGCCTGGTCCTGGTCGTGCTGAGCCTGTGGCCAGATACAGCTGT  
CGCCCCCTGGGCCACCACTGGCCCCCCTCGAGTTTCCCCAGACCCTCGGGCCGAGCTGG  
ACAGCACCGTGCTCCTGACCCGCTCTCTCCTGGCGGACACGCGGCAGCTGGCTGCACAG  
CTGAGGGACAAATTCCCAGCTGACGGGGACCACAACCTGGATTCCCTGCCCACCCTGGC  
CATGAGTGCGGGGGCACTGGGAGCTCTACAGCTCCCAGGTGTGCTGACAAGGCTGCGAG  
CGGACCTACTGTCCTACCTGCGGCACGTGCAGTGGCTGCGCCGGGCAGGTGGCTCTTCC  
CTGAAGACCCTGGAGCCCGAGCTGGGCACCCTGCAGGCCCGACTGGACCGGCTGCTGCG  
CCGGCTGCAGCTCCTGATGTCCCGCCTGGCCCTGCCCCAGCCACCCCGGACCCGCCGG  
CGCCCCCGCTGGCGCCCCCCTCCTCAGCCTGGGGGGGCATCAGGGCCGCCACGCCATC  
CTGGGGGGGCTGCACCTGACACTTGACTGGGCCGTGAGGGGACTGCTGCTGCTGAAGAC  
TCGGCTGTGA

(N) Seq ID No. 14. Amino Acid Sequence of Human Interleukin-11 (IL-11)

MNCVCRLVLVVLSLWPDTAVAPGPPPGPPRVSPDPRAELDSTVLLTRSLLADTRQLAAQ  
LRDKFPADGDHNLDSLPTLAMSAGALGALQLPGVLTRLRADLLSYLRHVQWLRRAGGSS  
LKTLEPELGTLQARLDRLLRRLQLLMSRLALPQPPDPPAPPLAPPSSAWGGIRAAHAI  
LGGLHLTLDWAVRGLLLLKTRL

**Figure 1-continued**

(O) Seq ID No. 15. DNA Sequence Encoding Human Erythropoietin (EPO)

ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCTGTCGCTCCC  
TCTGGGCCTCCCAGTCCTGGGCGCCCCACACGCCTCATCTGTGACAGCCGAGTCCTGG  
AGAGGTACCTCTTGGAGGCCAAGGAGGCCGAGAATATCACGACGGGCTGTGCTGAACAC  
TGCAGCTTGAATGAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAA  
GAGGATGGAGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGGCCTGGCCCTGCTGTCTGG  
AAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCAACTCTTCCCAGCCGTGGGAGCCCCCTG  
CAGCTGCATGTGGATAAAGCCGTCAGTGGCCTTCGCAGCCTCACCCTCTGCTTCGGGC  
TCTGCGAGCCCAGAAGGAAGCCATCTCCCCTCCAGATGCGGCCTCAGCTGCTCCACTCC  
GAACAATCACTGCTGACACTTTCCGCAAACCTCTTCCGAGTCTACTCCAATTTCTCCGG  
GGAAAGCTGAAGCTGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA

(P) Seq ID No. 16. Amino Acid Sequence of Human Erythropoietin (EPO)

MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDSRVLERYLLEAKEAENITTGCAEH  
CSLNENITVPDTKVNIFYAWKRMEVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPL  
QLHVDKAVSGLRSLTTLRLRALRAQKEAISPDAASAAPLRTITADTFRKLFRVYSNFLR  
GKLKLYTGEACRTGDR



**Figure 1-continued**

(Q) Seq ID No. 17. DNA Sequence Encoding Human GCSF

GGATCCATGGCTGGACCTGCCACCCAGAGCCCCATGAAGCTGATGGCCCTGCAGCTGCT  
GCTGTGGCACAGTGCACCTCTGGACAGTGCAGGAAGCCACCCCCCTGGGCCCTGCCAGCT  
CCCTGCCCCAGAGCTTCCTGCTCAAGTGCTTAGAGCAAGTGAGGAAGATCCAGGGCGAT  
GGCGCAGCGCTCCAGGAGAAGCTGTGTGCCACCTACAAGCTGTGCCACCCCGAGGAGCT  
GGTGCTGCTCGGACACTCTCTGGGCATCCCCTGGGCTCCCCTGAGCAGCTGCCCCAGCC  
AGGCCCTGCAGCTGGCAGGCTGCTTGAGCCAACTCCATAGCGGCCTTTTCCTCTACCAG  
GGGCTCCTGCAGGCCCTGGAAGGGATCTCCCCCGAGTTGGGTCCCACCTTGGACACACT  
GCAGCTGGACGTCGCGACTTTGCCACCACCATCTGGCAGCAGATGGAAGAACTGGGAA  
TGGCCCCCTGCCCTGCAGCCCACCCAGGGTGCCATGCCGGCCTTCGCCTCTGCTTTCCAG  
CGCCGGGCAGGAGGGGTCCTAGTTGCCTCCCATCTGCAGAGCTTCCTGGAGGTGTCGTA  
CCGCGTTCTACGCCACCTTGCCCAGCCCTGAGCCGAATTC

(R) Seq ID No. 18. Amino Acid Sequence of Human GCSF

MAGPATQSPMKLMALQLLLWHSALWTVQEATPLGPASSLPQSFLKCLEQVRKIQGDGA  
ALQEKLCATYKLCHPEELVLLGHSLGIPWAPLSSCPSQALQLAGCLSQLHSGFLYQGL  
LQALEGISPELGPTLDTLQLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAFQRR  
AGGVLVASHLQSFLEVSYRVLRLAQP

**Figure 1-continued**

(S) Seq ID No. 19. DNA Sequence Encoding Human GMCSF

ATGTGGCTGCAGAGCCTGCTGCTCTTGGGCACTGTGGCCTGCAGCATCTCTGCACCCGC  
CCGCTCGCCCAGCCCCAGCACGCAGCCCTGGGAGCATGTGAATGCCATCCAGGAGGCC  
GGCGTCTCCTGAACCTGAGTAGAGACACTGCTGCTGAGATGAATGAAACAGTAGAAGTC  
ATCTCAGAAATGTTTGACCTCCAGGAGCCGACCTGCCTACAGACCCGCCTGGAGCTGTA  
CAAGCAGGGCCTGCGGGGCAGCCTCACCAAGCTCAAGGGCCCCTTGACCATGATGGCCA  
GCCACTACAAGCAGCACTGCCCTCCAACCCCGGAACTTCCTGTGCAACCCAGATTATC  
ACCTTTGAAAGTTTCAAAGAGAACCTGAAGGACTTTCTGCTTGTTCATCCCCTTTGACTG  
CTGGGAGCCAGTCCAGGAGTGAGACCGGCCAGATG

(T) Seq ID No. 20. Amino Acid Sequence of Human GMCSF

MWLQSLLLLGTVACSI SAPARSPSPSTQPWEHVNAIQEARRLLNLSRDTAAEMNETVEV  
I SEMFDLQEPTCLQTRLELYKQGLRGS�TKLKGPLTMMASHYKQHCPPTPETSCATQII  
TFESFKENLKDFLLVIPFDCWEPVQE

**Figure 1-continued**

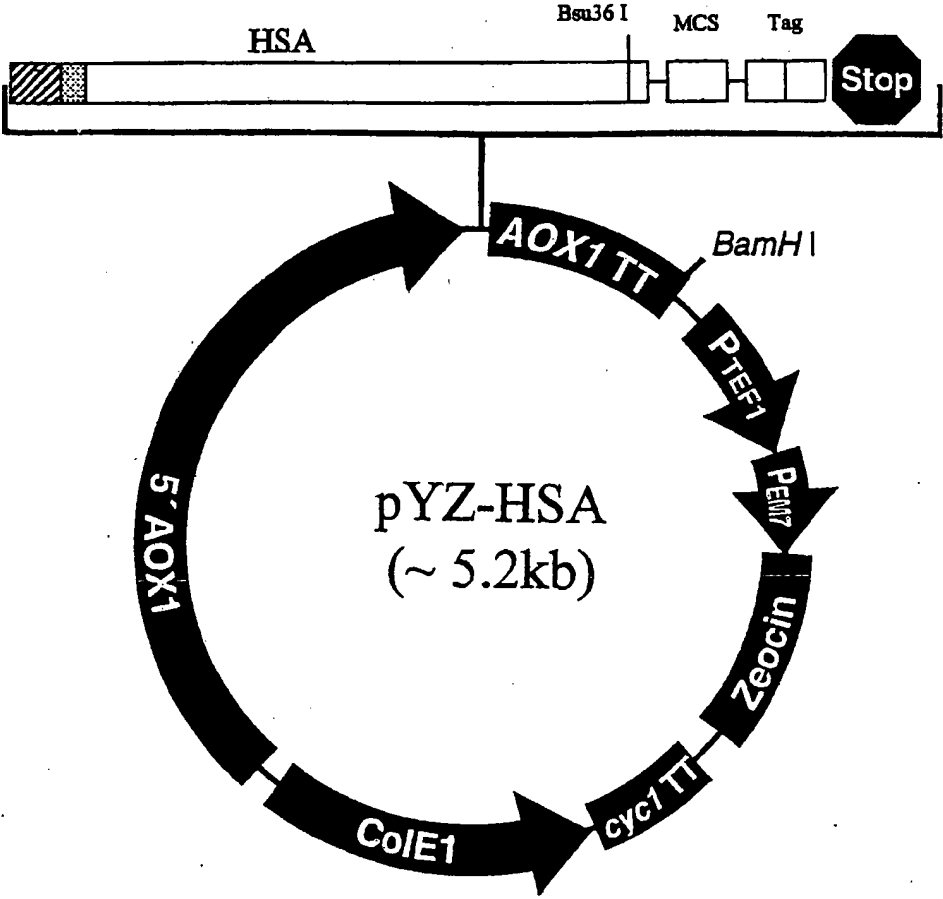
(U) Seq ID No. 21. DNA Sequence Encoding Human IL-3

ATGAGCCGCCTGCCCCGTCCTGCTCCTGCTCCAACCTCCTGGTCCGCCCCGGACTCCAAGC  
TCCCATGACCCAGACAACGTCCTTGAAGACAAGCTGGGTAACTGCTCTAACATGATCG  
ATGAAATTATAACACACTTAAAGCAGCCACCTTTGCCTTTGCTGGACTTCAACAACCTC  
AATGGGGAAGACCAAGACATTCTGATGGAAAATAACCTTCGAAGGCCAAACCTGGAGGC  
ATTCAACAGGGCTGTCAAGAGTTTACAGAACGCATCAGCAATTGAGAGCATTCTTAAAA  
ATCTCCTGCCATGTCTGCCCCCTGGCCACGGCCGCACCCACGCGACATCCAATCCATATC  
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GAATGCGCAGGCTCAACAGACGACTTTGAGCCTCGCGATCTTTTAG

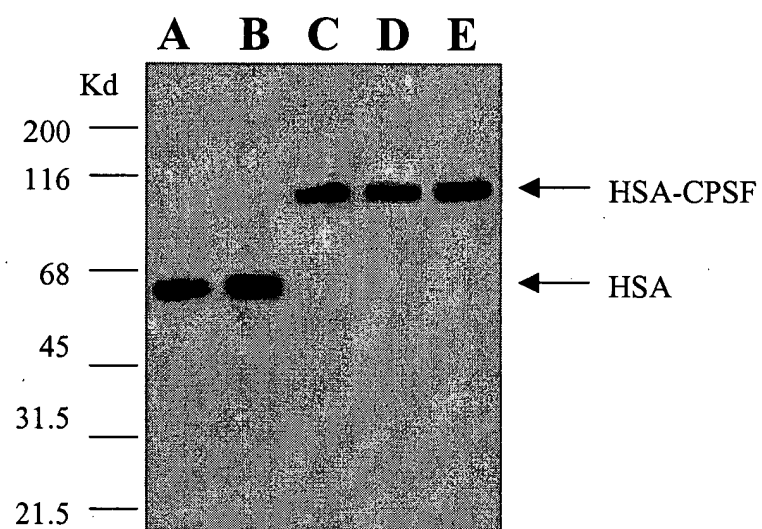
(V) Seq ID No. 22. Amino Acid Sequence of Human IL-3

MSRLPVLLLLQLLVRPGLQAPMTQTTSLKTSWVNCSNMIDEIIITHLKQPPLPLLDFFNNL  
NGEDQDILMENNLRRPNLEAFNRAVKSLQNASAIESILKNLLPCLPLATAAPTRHPIHI  
KDGDWNEFRRLTFYLKTLNAQAQQTTLAIF

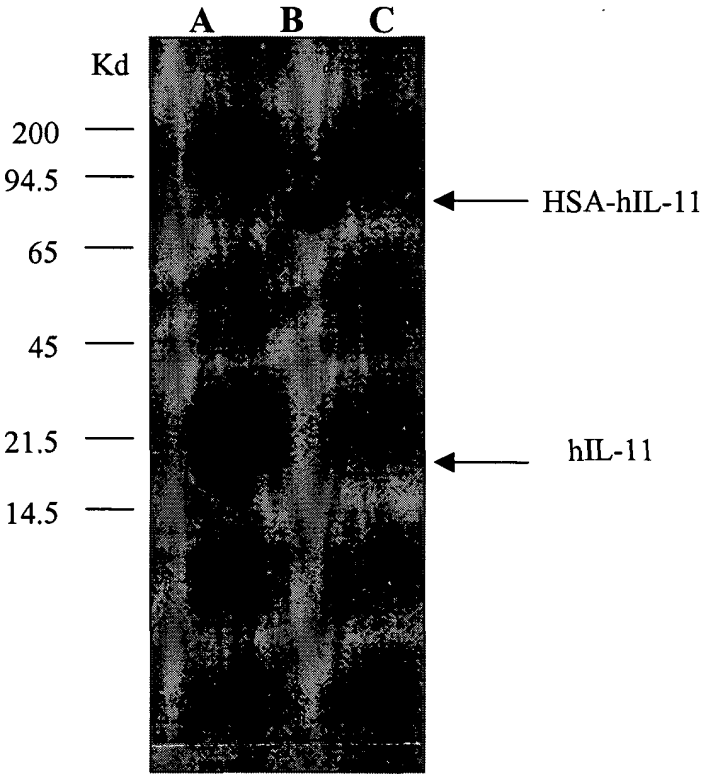
Figure 2.



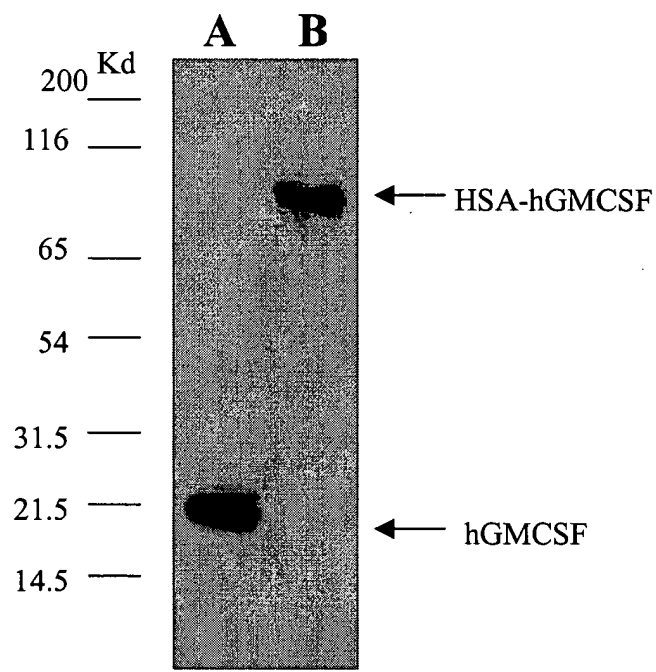
**Figure 3.**



**Figure 4.**

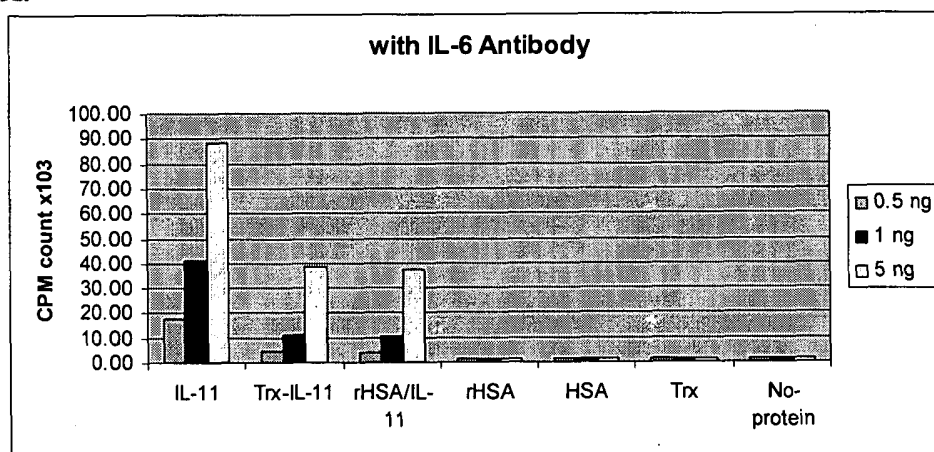


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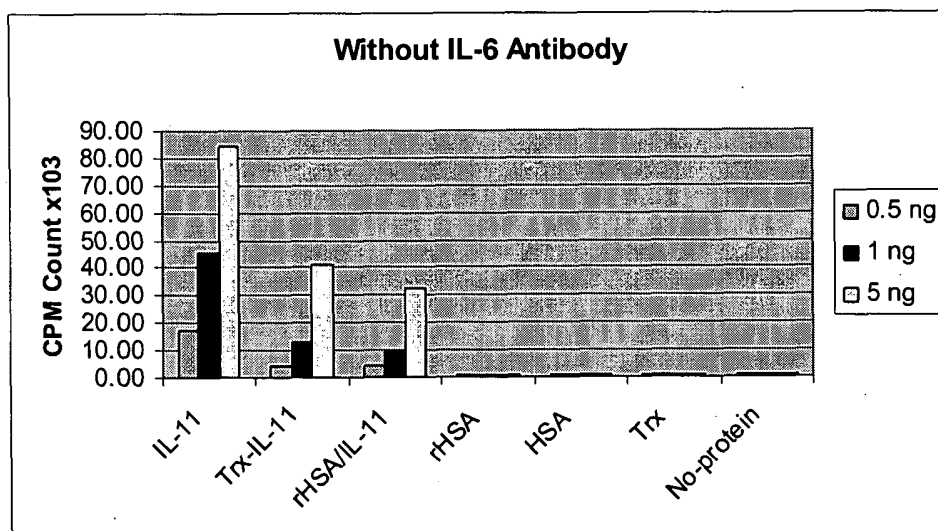


**Figure 6.**

**A.**

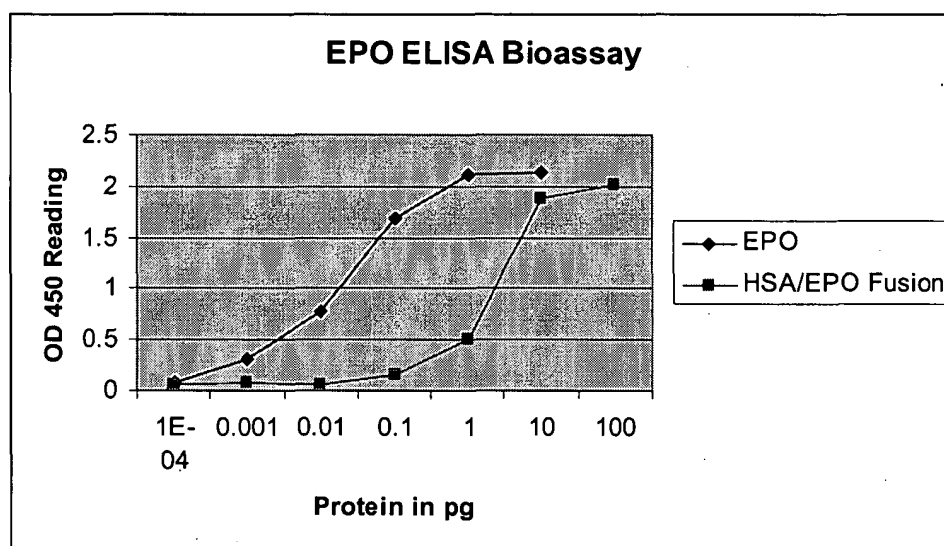


**B.**



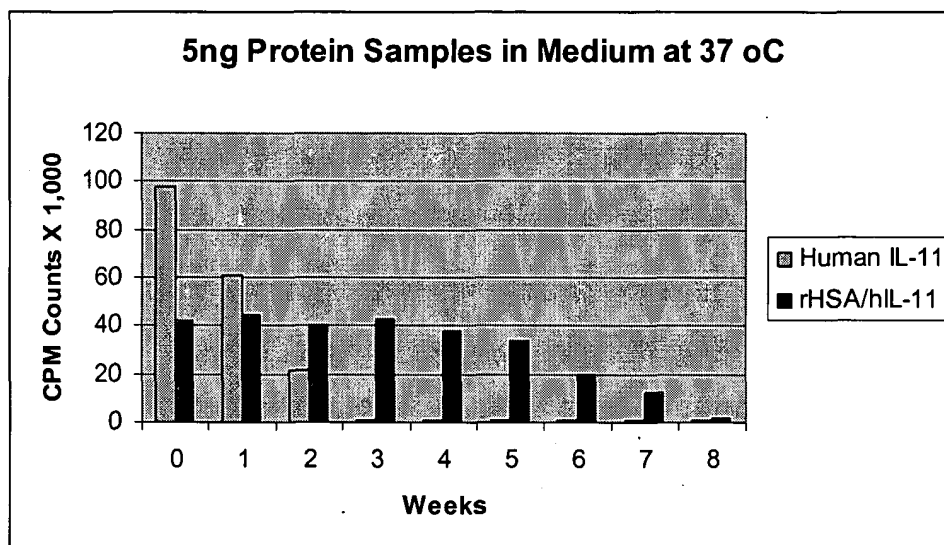


**Figure 7.**

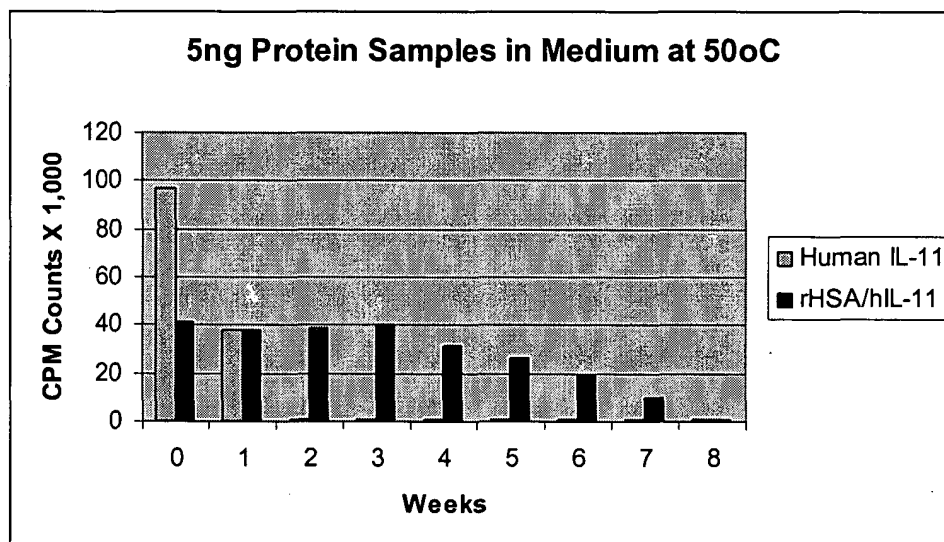


**Figure 8.**

**A.**

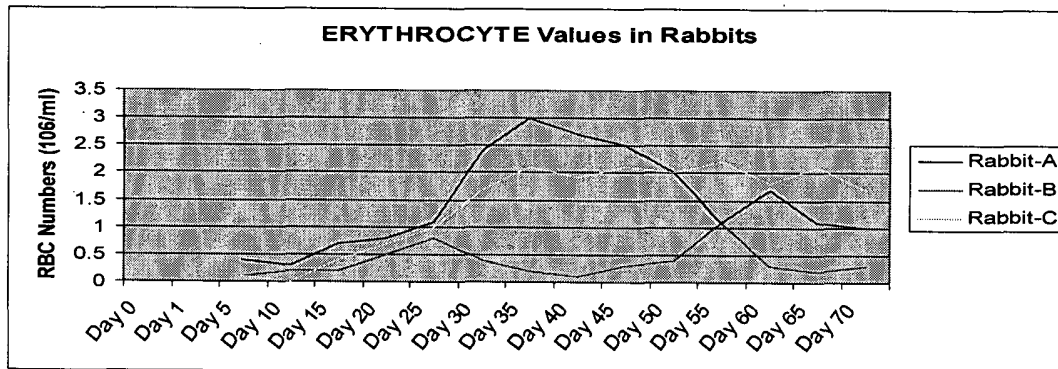


**B.**

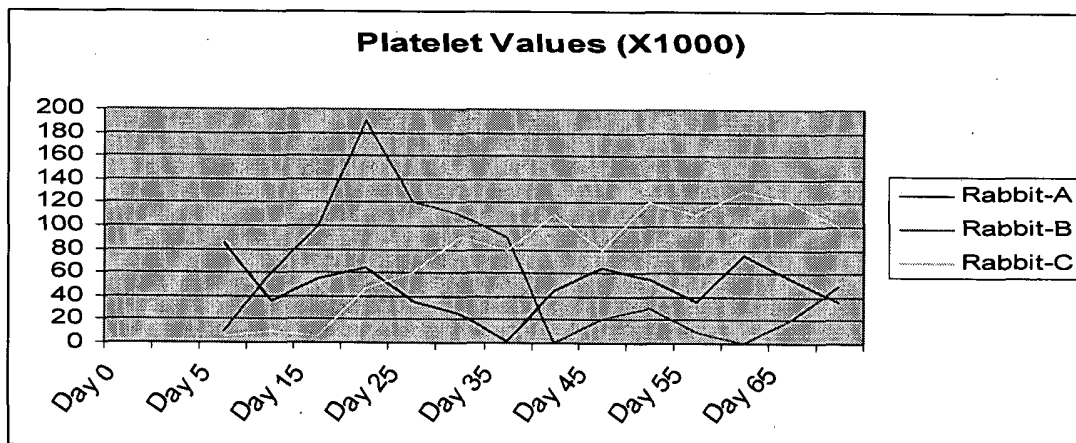


**Figure 9.**

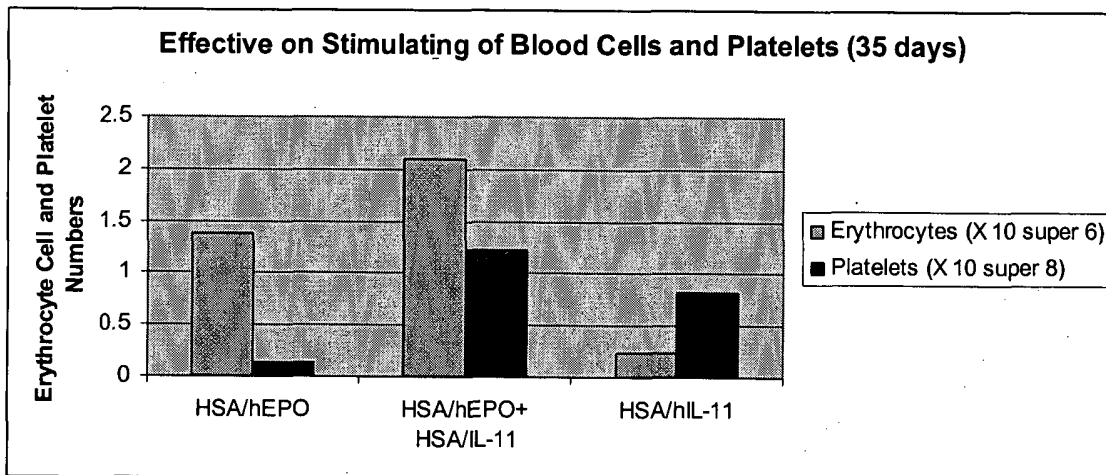
**A.**



**B.**



**C.**



**Figure 10**

